

## Summary of New Requirements (NPDES Permit No.GAR100002) (GDOT Guidelines)

1. **BMP Phased Installation:** The permit requires a phased installation plan for BMP's. This includes initial, intermediate and final BMPs. A written narrative of BMP installation for each stage is required.
2. **Sediment storage without sediment basins:** Plans need to demonstrate that the installed BMP's are able to store 67 cubic yards of sediment for every acre of drainage area. For example, if a sediment basin is not practical at an outfall location, then check-dams should be capable of storing 67 cubic yards of sediment for every acre of drainage area.
3. **Revised ESPCP General Notes Template:** Several notes and certification statements have been revised. These will be posted on the GDOT's R.O.A.D.S webpage. Site specific conditions will warrant the modification of these notes in order to comply with the NPDES permit. The Certified Design Professional shall provide additional notes and modifications as necessary to ensure full compliance with the NPDES permit. The revised notes have several site specific items that need to be filled in. These include:
  - a) Narratives on the phased installation of the BMP's.
  - b) Georgia Soil & Water Conservation Commission (GSWCC) Checklist, completed.
  - c) Biota Impaired stream information (compliance required January 1, 2009).
  - d) Soil-Series information.
  - e) Monitoring notes have been revised. The designer shall provide additional justification for the selection of a representative monitoring location. A sample justification statement has been added in the monitoring notes section. The Designer shall revise these notes as appropriate to meet the conditions of the individual project site. The Department prefers representative monitoring to individual outfall monitoring.
  - f) The sediment basin section has been renamed to "Sediment Storage". The designer shall fill out the table summarizing the Sediment Storage available for each given outfall. All outfalls must be represented in this table. An example of a Sediment Storage table is included in the revised General Notes; the designer shall add/remove columns and rows as appropriate.
  - g) The Biota Impaired streams section and table shall be modified as appropriate.
  - h) A completed Erosion Control Checklist created by the GSWCC shall be included with the General Notes.
  - i) Post construction BMPs - The designer shall describe the use of post construction BMPs that are to be built.
  - j) A narrative for each stage of construction needs to be included in the plan notes. This shall describe the installation sequence for all initial, intermediate and final BMP's. All plans require at a minimum a Stage 1a that shows the initial perimeter controls that are to be installed concurrent with clearing and grubbing. Stage 1b will typically show the BMPs that are installed concurrently with the mass grading operations for Stage 1, such as ditch check, slope drains, sediment basins, etc. Specific reference must be made to the sequence of installing the sediment basins. An example note would be, "install the sediment basins prior to mass grading operations". During mass grading operations, runoff from disturbed areas must be directed to sediment basins. Final BMPs, such as rip rap, permanent slope drains, channel linings, headwalls, slope mats, detention ponds, etc. must be described in these notes. These final items could be included during intermittent stages provided it is clearly noted that these items are for final stabilization of that particular stage.

**Date: August 25, 2008**

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4. **Revised Specifications:** Sections 161, 163, 165, 167, 716 of the GDOT Standard Specifications have been revised. These specifications will be included in projects beginning with the August 2008 Letting. No action is required from the Project Manager regarding these specifications.
5. **Biota Impaired Stream Segments:** Part II. B., of the NPDES General Permit No. GAR100002, requires that erosion control plans identify any areas of the project that are one (1) linear mile upstream of, and within the same watershed as, a stream that has been classified by the United States Environmental Protection Agency as a "non supporting" Biota Impaired stream. A list of the 305(b)/303(d) streams can be found on the EPD's website at:  
[www.gaepd.org/Documents/305b.html](http://www.gaepd.org/Documents/305b.html)

The one (1) linear mile measurement must be made with a straight line; it is not measured along the flow path to the stream.

The designer shall complete the Biota Impaired stream table located on the new General Notes sheets. The designer shall mark the Biota Impaired streams on the watershed and drainage area maps and delineate the portion of the watershed that is within one (1) mile of the stream. In addition, Biota Impaired streams and watersheds that are within one (1) mile of Biota Impaired streams shall be shown on any applicable construction and erosion control sheets. This information will also be required on the new NOI.

As of January 1, 2009 all projects that have work that is within one (1) mile of the Biota Impaired streams will be required to comply with 4 of the 20 items listed in part III.C., of the permit. If numeric waste load allocations for sediment are specified, the design professional must provide a detailed discussion that describes how the waste load allocation is provide for in this project. A summary of the computations shall be provided on the General Notes sheets. Full computations shall be provided with the drainage calculations. Further guidance on complying with this section of the permit will be provided at a later date. Each watershed may have multiple outfalls that could be combined in the table, or it may be more appropriate to address each outfall individually (if there is a TMDL involved) on this table.

6. **New BMP's:** Effective on January 1, 2009, several new BMP's will be added to address the requirements of impaired stream segments as described in Part III, C., 2, of the permit. The Department is currently revising the specifications and Construction Details to handle these new BMP's.
7. **Plan Revisions:** In addition to the current practice of redlining "minor" revisions and recertifying "major" plan revisions, the permit requires major revisions to be sent to the EPD's regional offices. See the permit for mailing information.
8. **NOI:** A new NOI will be required for all projects Let to construction after August 1, 2008. NOI located at:  
<http://tomcat2.dot.state.ga.us/ContractsAdministration/index.cfm?a=a&fuseaction=dynamic.section&secID=5>